

30-OCT-09  
18:13:27

GEORGIA DEPARTMENT OF TRANSPORTATION  
PRECONSTRUCTION DIVISION - OFFICE OF BRIDGE & STRUCTURAL DESIGN  
THE ANALYSIS AND DESIGN OF PIERS FOR BRIDGES - V 4.2.07 - AASHTO SPECS 1984 INTERIM  
REVISED: JUNE 30, 2008  
36' CURB-CURB; 5 BEAMS; 140' SPAN; 50' TALL; BRIDGE 26 ; PIER 9

PROB. NO. 0001

DESIGN NO.	NO. CAN	NO. COL	NO. LLC	SKEW	ANG	F'C	FC	N	FY	FS	DESIGN DATA		CONC.	Z	* * * CAP			REINFORCING STEEL			* * * CAP					
OPTIONS				D	M	S	PSI	PSI	PSI	PSI	EC	ES	STRAIN	FACT	MAIN	STR	MAX	MAX	MIN	MIN	TOP	MIN	TOP	MIN	TOP	
D	D	D	L	2	2	12	0-00-00	3500.	1400.	8.	60000.	24000.	3409.	29000.	0.0030	170.	11	5	15	15	11	2	2.00	4.00	3.00	2.00

CAP DATA

CN	C	L	A	DE	BC	BE	DH	LH	XB1	XB2	XB3	XB4	XB5	XB6	XB7	XB8
11	L	11.000	2.500	4.000	5.500	5.500	2.000	8.500	7.375	4.875						
12	C	17.250	2.500	6.000	5.500		0.000	0.000	2.500	6.125	6.125					
13	3	SAME AS CANTILEVER 1														

COLUMN DATA

CN	P	I	T	S	HT	A	DT	BT	DB	BB	DL	FLEX	ND	NB	SZ	ND	NB	SZ	ND	NB	SZ	SLOPE	EP	AP			
21	1	C	R		50.000	0.000	5.000	0.000	0.000	0.000	4.000	0.000	19	0	11	19	0	11	42	0	11	42	0	11	0.000	0.000	0.000
22	1	2	SAME AS COLUMN 1																								

FOOTING DATA

CN	S/P	B	D	T	DEL.B	DEL.D	DEL.T	R.B/D	R.D/B	S.HT.	NP	SYM.	BP	DP	SET.
31	P	2.000	2.000	3.000	0.500	0.500	0.250	1.000	1.000	2.500	4	3	0.000	0.000	0.000
32	2	SAME AS FOOTING 1													

GROUP II WIND

WIND	TRANS.	LONG.	WIND	FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	* WIND	FORCE	ARM	* WIND	ON	PIER
STANDARD	AREA	STD.	INTENSITIES	FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	APT	APL	PT	PL		
1365.	2730.	1	50	0	44	6	41	12	33	16	17	19	7.375	7.375	1.294	26.020			

GROUP III WIND

WIND	TRANS.	LONG.	WIND	FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	* WIND	ON	LIVE	LOAD	INTENSITIES	* LENGTHS	OF	LL	* WIND	ON	LL	ARMS
STANDARD	AREA	STD.	INTENSITIES	FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	APT	APL	TRANS.	LONGI.	APT	APL						
1	50	0	44	6	41	12	33	16	17	19	1	100	0	88	12	82	24	66	32	34	38	140.0	280.0	15.583	15.583

MISCELLANEOUS FORCES

CENTRI.	TRACTION	FORCE	AND	ARMS	EXPANSION	SHRINKAGE	STREAM	FLOW
FT	FL	APT	APL	COEFFICIENT	COEFFICIENT	PT	PL	
0.000	9.860	15.583	15.583	0.00018000	0.00044000	0.000	0.000	

DEAD LOAD SUPERSTRUCTURE AND LIVE LOAD CASES

I.D.	NL	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
D.L.	0	281.621	0.000	325.334	0.000	325.334	0.000	325.334	0.000	281.621			
LL 1	1	85.882	0.000	51.529	0.000	0.000	0.000	0.000	0.000	0.000			
LL 2	2	85.882	0.000	103.059	0.000	85.882	0.000	0.000	0.000	0.000			
LL 3	3	85.882	0.000	103.059	0.000	120.235	0.000	85.882	0.000	17.176			
LL 4	1	0.000	0.000	0.000	0.000	0.000	0.000	51.529	0.000	85.882			
LL 5	2	0.000	0.000	0.000	0.000	85.882	0.000	103.059	0.000	85.882			
LL 6	3	17.176	0.000	85.882	0.000	120.235	0.000	103.059	0.000	85.882			
LL 7	1	0.000	0.000	25.764	0.000	85.882	0.000	25.764	0.000	0.000			
LL 8	2	42.941	0.000	111.647	0.000	94.470	0.000	25.764	0.000	0.000			
LL 9	3	42.941	0.000	111.647	0.000	103.059	0.000	111.647	0.000	42.941			
LL10	2	0.000	0.000	85.882	0.000	103.059	0.000	85.882	0.000	0.000			
LL11	2	85.882	0.000	51.529	0.000	0.000	0.000	51.529	0.000	85.882			
LL12	3	85.882	0.000	103.059	0.000	85.882	0.000	51.529	0.000	85.882			

TRANSVERSE \* LONGITUDINAL

LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF
UNIT F.AT CL.CAP	1	1.424	12.281	0.500	12.719	1.424	0.000	-12.281	2.000	0.500	25.000	25.000
	2	-1.424	12.281	0.500	12.719	-1.424	-12.281	0.000	2.000	0.500	25.000	25.000
EXPANSION OF CAP	1	0.000	46.230	1.948	51.173	0.000	0.000	-46.230	0.000	0.000	0.000	0.000
	2	0.000	-46.230	-1.948	-51.173	0.000	46.230	0.000	0.000	0.000	0.000	0.000
SHRINKAGE OF CAP	1	0.000	-113.007	-4.762	-125.089	0.000	0.000	113.007	0.000	0.000	0.000	0.000
	2	0.000	113.007	4.762	125.089	0.000	-113.007	0.000	0.000	0.000	0.000	0.000
DEAD LOAD TOTAL	1	859.753	-263.344	-7.900	-131.672	995.234	2319.161	-2055.817	0.000	0.000	0.000	0.000
		995.234										

		PIER-36-5-140-50.OUT										
		995.234	263.344	7.900	131.672	995.234	2055.817	-2319.161	0.000	0.000	0.000	0.000
TRAC. FORCE 1 LN	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-96.544	-4.930	-323.324	-323.324
	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-96.544	-4.930	-323.324	-323.324
WIND ON SUBSTR.	1	1.843	15.892	0.647	16.458	1.843	0.000	-15.892	-52.040	-13.010	-650.500	-650.500
	2	-1.843	15.892	0.647	16.458	-1.843	-15.892	0.000	-52.040	-13.010	-650.500	-650.500
GROUP 2 WIND 1 1	1	128.203	854.081	34.772	884.519	128.203	0.000	-854.081	-52.040	-13.010	-650.500	-650.500
	2	-128.203	854.081	34.772	884.519	-128.203	-854.081	0.000	-52.040	-13.010	-650.500	-650.500
GROUP 2 WIND 1 2	1	128.203	854.081	34.772	884.519	128.203	0.000	-854.081	52.040	13.010	650.500	650.500
	2	-128.203	854.081	34.772	884.519	-128.203	-854.081	0.000	52.040	13.010	650.500	650.500
GROUP 2 WIND 2 1	1	113.040	753.499	30.677	780.352	113.040	0.000	-753.499	-145.201	-21.200	-1120.401	-1120.401
	2	-113.040	753.499	30.677	780.352	-113.040	-753.499	0.000	-145.201	-21.200	-1120.401	-1120.401
GROUP 2 WIND 2 2	1	113.040	753.499	30.677	780.352	113.040	0.000	-753.499	145.201	21.200	1120.401	1120.401
	2	-113.040	753.499	30.677	780.352	-113.040	-753.499	0.000	145.201	21.200	1120.401	1120.401
GROUP 2 WIND 3 1	1	105.458	703.207	28.629	728.268	105.458	0.000	-703.207	-238.363	-29.390	-1590.302	-1590.302
	2	-105.458	703.207	28.629	728.268	-105.458	-703.207	0.000	-238.363	-29.390	-1590.302	-1590.302
GROUP 2 WIND 3 2	1	105.458	703.207	28.629	728.268	105.458	0.000	-703.207	238.363	29.390	1590.302	1590.302
	2	-105.458	703.207	28.629	728.268	-105.458	-703.207	0.000	238.363	29.390	1590.302	1590.302
GROUP 2 WIND 4 1	1	85.241	569.097	23.169	589.378	85.241	0.000	-569.097	-300.470	-34.850	-1903.570	-1903.570
	2	-85.241	569.097	23.169	589.378	-85.241	-569.097	0.000	-300.470	-34.850	-1903.570	-1903.570
GROUP 2 WIND 4 2	1	85.241	569.097	23.169	589.378	85.241	0.000	-569.097	300.470	34.850	1903.570	1903.570
	2	-85.241	569.097	23.169	589.378	-85.241	-569.097	0.000	300.470	34.850	1903.570	1903.570
GROUP 2 WIND 5 1	1	44.805	300.876	12.250	311.599	44.805	0.000	-300.876	-347.051	-38.945	-2138.521	-2138.521
	2	-44.805	300.876	12.250	311.599	-44.805	-300.876	0.000	-347.051	-38.945	-2138.521	-2138.521
GROUP 2 WIND 5 2	1	44.805	300.876	12.250	311.599	44.805	0.000	-300.876	347.051	38.945	2138.521	2138.521
	2	-44.805	300.876	12.250	311.599	-44.805	-300.876	0.000	347.051	38.945	2138.521	2138.521
GROUP 3 WIND 1 1	1	71.043	428.161	17.432	443.419	71.043	0.000	-428.161	-15.612	-3.903	-195.150	-195.150
	2	-71.043	428.161	17.432	443.419	-71.043	-428.161	0.000	-15.612	-3.903	-195.150	-195.150

□ COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

		TRANSVERSE										* LONGITUDINAL		
LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF		
GROUP 3 WIND 1 2	1	71.043	428.161	17.432	443.419	71.043	0.000	-428.161	15.612	3.903	195.150	195.150		
	2	-71.043	428.161	17.432	443.419	-71.043	-428.161	0.000	15.612	3.903	195.150	195.150		
GROUP 3 WIND 2 1	1	62.584	377.353	15.363	390.802	62.584	0.000	-377.353	-76.460	-8.040	-446.300	-446.300		
	2	-62.584	377.353	15.363	390.802	-62.584	-377.353	0.000	-76.460	-8.040	-446.300	-446.300		
GROUP 3 WIND 2 2	1	62.584	377.353	15.363	390.802	62.584	0.000	-377.353	76.460	8.040	446.300	446.300		
	2	-62.584	377.353	15.363	390.802	-62.584	-377.353	0.000	76.460	8.040	446.300	446.300		
GROUP 3 WIND 3 1	1	58.354	351.950	14.329	364.493	58.354	0.000	-351.950	-137.308	-12.177	-697.450	-697.450		
	2	-58.354	351.950	14.329	364.493	-58.354	-351.950	0.000	-137.308	-12.177	-697.450	-697.450		
GROUP 3 WIND 3 2	1	58.354	351.950	14.329	364.493	58.354	0.000	-351.950	137.308	12.177	697.450	697.450		
	2	-58.354	351.950	14.329	364.493	-58.354	-351.950	0.000	137.308	12.177	697.450	697.450		
GROUP 3 WIND 4 1	1	47.076	284.207	11.571	294.336	47.076	0.000	-284.207	-177.873	-14.935	-864.883	-864.883		
	2	-47.076	284.207	11.571	294.336	-47.076	-284.207	0.000	-177.873	-14.935	-864.883	-864.883		
GROUP 3 WIND 4 2	1	47.076	284.207	11.571	294.336	47.076	0.000	-284.207	177.873	14.935	864.883	864.883		
	2	-47.076	284.207	11.571	294.336	-47.076	-284.207	0.000	177.873	14.935	864.883	864.883		
GROUP 3 WIND 5 1	1	24.519	148.721	6.055	154.021	24.519	0.000	-148.721	-208.297	-17.003	-990.458	-990.458		
	2	-24.519	148.721	6.055	154.021	-24.519	-148.721	0.000	-208.297	-17.003	-990.458	-990.458		
GROUP 3 WIND 5 2	1	24.519	148.721	6.055	154.021	24.519	0.000	-148.721	208.297	17.003	990.458	990.458		
	2	-24.519	148.721	6.055	154.021	-24.519	-148.721	0.000	208.297	17.003	990.458	990.458		
LIVE LOAD LL 1	1	173.486	-61.332	-1.674	-22.350	173.486	633.380	-572.047	0.000	0.000	0.000	0.000		
	2	-36.075	50.244	1.674	33.438	-36.075	-50.244	0.000	0.000	0.000	0.000	0.000		
LIVE LOAD LL 2	1	267.957	-28.711	-0.695	-6.039	267.957	633.380	-604.669	0.000	0.000	0.000	0.000		
	2	6.866	17.622	0.695	17.127	6.866	-17.622	0.000	0.000	0.000	0.000	0.000		
LIVE LOAD LL 3	1	250.127	-23.139	-0.574	-5.582	250.127	570.042	-546.903	0.000	0.000	0.000	0.000		
	2	120.884	15.155	0.574	13.566	120.884	98.850	-114.006	0.000	0.000	0.000	0.000		
LIVE LOAD LL 4	1	-36.075	-50.244	-1.674	-33.438	-36.075	0.000	50.244	0.000	0.000	0.000	0.000		
	2	173.486	61.332	1.674	22.350	173.486	572.047	-633.380	0.000	0.000	0.000	0.000		
LIVE LOAD LL 5	1	6.866	-17.622	-0.695	-17.127	6.866	0.000	17.622	0.000	0.000	0.000	0.000		
	2	267.957	28.711	0.695	6.039	267.957	604.669	-633.380	0.000	0.000	0.000	0.000		
LIVE LOAD LL 6	1	120.884	-15.155	-0.574	-13.566	120.884	114.006	-98.850	0.000	0.000	0.000	0.000		
	2	250.127	23.139	0.574	5.582	250.127	546.903	-570.042	0.000	0.000	0.000	0.000		
LIVE LOAD LL 7	1	68.705	32.622	0.979	16.311	68.705	0.000	-32.622	0.000	0.000	0.000	0.000		
	2	68.705	-32.622	-0.979	-16.311	68.705	32.622	0.000	0.000	0.000	0.000	0.000		
LIVE LOAD LL 8	1	219.860	5.218	0.240	6.767	219.860	316.690	-321.908	0.000	0.000	0.000	0.000		
	2	54.962	-10.762	-0.240	-1.223	54.962	10.762	0.000	0.000	0.000	0.000	0.000		
LIVE LOAD LL 9	1	185.506	-14.977	-0.449	-7.489	185.506	285.021	-270.043	0.000	0.000	0.000	0.000		
	2	185.506	14.977	0.449	7.489	185.506	270.043	-285.021	0.000	0.000	0.000	0.000		

□ COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

		TRANSVERSE										* LONGITUDINAL		
LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF		

PIER-36-5-140-50.OUT											
LIVE LOAD LL10	1	137.411	39.146	1.174	19.573	137.411	0.000	-39.146	0.000	0.000	0.000
	2	137.411	-39.146	-1.174	-19.573	137.411	39.146	0.000	0.000	0.000	0.000
LIVE LOAD LL11	1	137.411	-111.576	-3.347	-55.788	137.411	633.380	-521.804	0.000	0.000	0.000
	2	137.411	111.576	3.347	55.788	137.411	521.804	-633.380	0.000	0.000	0.000
LIVE LOAD LL12	1	208.694	-71.059	-2.132	-35.529	208.694	570.042	-498.983	0.000	0.000	0.000
	2	162.317	71.059	2.132	35.529	162.317	498.983	-570.042	0.000	0.000	0.000

CAP ANALYSIS AND DESIGN DATA

CAP MOMENTS AND SHEARS

POINT	MOMENTS(KIP-FEET)								SHEARS(KIPS)							
	D.L.TOT.	G1 MAX.+	G1 MAX.-	G2 MAX.+	G2 MAX.-	G3 MAX.+	G3 MAX.-	DL T.LT	DL T.RT	G1 + LT	G1 + RT	G1 - LT	G1 - RT			
P 1	-30.190	-30.190	-30.190	-30.190	-30.190	-30.190	-30.190	-17.209	-383.317	-17.209	-383.317	-17.209	-569.766			
P 2	-1965.579	-1965.579	-2874.521	-1965.579	-1965.579	-1965.579	-2509.856	-411.689	-411.689	-411.689	-411.689	-598.138	-598.138			
C 1L	-3014.909	-3014.909	-4389.977	-3014.909	-3014.909	-3014.909	-3838.303	-427.776		-427.776		-614.226				
C 1R	-2672.562	-2563.483	-3985.299	-1562.257	-3782.868	-2050.636	-4015.241		266.969		440.822		188.650			
P 4	-2025.249	-1830.560	-3158.085	-1236.771	-2813.727	-1513.396	-3098.867	250.881	250.881	424.735	424.735	172.563	172.563			
P 5	-609.307	270.590	-1742.142	-609.307	-609.307	-82.422	-1287.651	211.467	-211.467	385.320	-133.149	133.149	-385.320			
P 6	-2025.249	-1830.560	-3158.085	-1236.771	-2813.727	-1513.396	-3098.867	-250.881	-250.881	-172.563	-172.563	-424.735	-424.735			
C 2L	-2672.562	-2563.483	-3985.299	-1562.257	-3782.868	-2050.636	-4015.241	-266.969		-188.650		-440.822				
C 2R	-3014.909	-3014.909	-4389.977	-3014.909	-3014.909	-3014.909	-3838.303		427.776		614.226		427.776			
P 8	-1965.579	-1965.579	-2874.521	-1965.579	-1965.579	-1965.579	-2509.856	411.689	411.689	598.138	598.138	411.689	411.689			
P 9	-30.190	-30.190	-30.190	-30.190	-30.190	-30.190	-30.190	383.317	17.209	569.766	17.209	383.317	17.209			

PT.	CAP DESIGN DATA		LEFT STIRRUPS		RIGHT STIRRUPS		D IN.	FC PSI	PS %	FS/FF RATIO	FS/FZ RATIO	
	M+ UNF. K-FT.	M- UNF. K-FT.	TOP REINFORCE. AS NO.SIZE	BOT.REINFORCE. AS NO.SIZE	M.SP. AV/IN	BAR&SPAC						M.SP. AV/IN
P 1	-23.223	-23.223	3.12 2 # 11	3.12 2 # 11	0.00	0.000 #5@ 0.00	24.00	0.073 #5@ 8.46	58.24	0.09	0.000	0.090
P 2	-1511.984	-1930.658	9.50 7 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.21	0.479	1.145
C 1	-2005.573	-2952.541	14.67 10 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.35	0.741	1.100
P 4	-1468.207	-2079.688	10.46 7 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.24	0.688	1.233
P 5	-63.402	-990.501	7.61 5 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.17	0.915	0.912
P 6	-1468.207	-2079.688	10.46 7 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.24	0.688	1.233
C 2	-2005.573	-2952.541	14.67 10 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.35	0.741	1.100
P 8	-1511.984	-1930.658	9.50 7 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.21	0.479	1.145
P 9	-23.223	-23.223	3.12 2 # 11	3.12 2 # 11	24.00	0.073 #5@ 8.46	0.00	0.000 #5@ 0.00	58.24	0.09	0.000	0.090

NOTE: \*\*\* FS/FZ RATIO EXCEEDS 1.0! \*\*\*

COLUMN ANALYSIS AND DESIGN OUTPUT

CN	T B	CRITICAL COLUMN LOADS																		
		GR	LLC	WC	R	E S	C F	S F	PF	MTF	MLF	PM	MTM	MLM	PU	MTU	MLU	PU/PM	B	D
1	T	5		1.1	R	S			914.4	-1538.0	65.1	914.4	1716.2	329.7	2419.4	4541.6	872.5	2.646	60.00	60.00
1	B	2		5.1				1352.1	233.9	-2780.1	1352.1	382.6	4541.9	1360.2	385.4	4576.2	1.007	60.00	60.00	
2	T	5		1.1		S		914.4	1538.0	-65.1	914.4	1716.2	329.7	2419.4	4541.6	872.5	2.646	60.00	60.00	
2	B	2		5.1	R			1352.1	-233.9	2780.1	1352.1	382.6	4541.9	1360.2	385.4	4576.2	1.007	60.00	60.00	

CN	T B	COLUMN DESIGN DATA															
		FACE 1 NO.SIZE	FACE 2 NO.SIZE	FACE 3 NO.SIZE	FACE 4 NO.SIZE	AS	PS	BD12	BD	SUMPU	SUMPC	DEL.T	DEL.L	CM	R	PHIC	
1	T	19 # 11	0 # 0	0 # 0	0 # 0	29.64	1.048	1.00	0.165	2319.	22332.	1.116	1.442	1.000	1	0.75	
1	B	24 # 11	0 # 0	0 # 0	0 # 0	37.44	1.324	1.00	0.000	2411.	20711.	1.132	1.634	1.000	1	0.75	
2	T	19 # 11	0 # 0	0 # 0	0 # 0	29.64	1.048	1.00	0.165	2319.	22332.	1.116	1.442	1.000	1	0.75	
2	B	24 # 11	0 # 0	0 # 0	0 # 0	37.44	1.324	1.00	0.000	2411.	20711.	1.132	1.634	1.000	1	0.75	

FOOTING 1 DESIGN LOADS

F G	LLID	WC	ES	C	S	P	MT	VT	ML	VL	P4	P3	P2	P1	MTF	VBF	VPF	LOAD
2	3	LL	6	5.1		1181.136	290.389	14.438	-1863.433	-30.314	243.853	69.457	114.432	288.828	58.825	2.006	40.171	MAX.P1
2	3	LL	6	5.1		1535.476	377.506	18.770	-2422.463	-39.409	317.008	90.293	148.761	375.476	76.472	2.608	52.222	MAX.MT
2	3	LL	6	5.1		1535.476	377.506	18.770	-2422.463	-39.409	317.008	90.293	148.761	375.476	76.472	2.608	52.222	MAX.VT
2	3	LL	6	5.1R		1599.226	-22.950	3.027	2422.463	39.409	354.475	127.760	129.509	356.223	70.564	2.355	54.357	MAX.VP
2	3	LL	6	5.1R		1599.226	-22.950	3.027	2422.463	39.409	354.475	127.760	129.509	356.223	159.609	6.167	54.357	MAX.ML
2	3	LL	6	5.1R		1599.226	-22.950	3.027	2422.463	39.409	354.475	127.760	129.509	356.223	159.609	6.167	54.357	MAX.VL

2 2      4.1                    909.994 721.050 31.070-1903.570 -34.850 175.243 -4.031 105.572 284.846 56.854 1.922 31.092 MAX.P3

PIER-36-5-140-50.OUT

FOOTING 1 ANALYSIS/DESIGN RESULTS

FOOTING SIZE			* BAR REINFORCEMENT STEEL *						SECTION CAPACITIES			
B	D	T	P1/PA	AS	NO.SIZE	SPAC.	PLACEMENT	MT.	VB	VP	DS	FC
10.000	10.000	3.250	0.983	0.79	18 # 6 @	6.625	TOP TRAN	76.802	26.811	53.622	22.215	0.000
				1.62	11 #11 @	10.875	BOT.LONG	168.749	28.114	56.229	23.295	0.000

NUMBER OF PILES = 7 BP = 3.750 DP = 3.750

FOOTING 2 DESIGN SAME AS FOOTING 1